

Date: Wed, 9 Feb 94 04:30:08 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #126
To: Info-Hams

Info-Hams Digest Wed, 9 Feb 94 Volume 94 : Issue 126

Today's Topics:

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 8 Feb 1994 20:09:17 GMT
From: agate!howland.reston.ans.net!math.ohio-state.edu!news.acns.nwu.edu!ftpbox!
mothost!delphinium.cig.mot.com!rtsg.mot.com!reichrt@network.ucsd.edu
To: info-hams@ucsd.edu

References <Anthony_Pelliccio-070294092539@138.16.64.8>,
<2j6rtmINNf0s@abyss.West.Sun.COM>, <Anthony_Pelliccio-080294103950@138.16.64.8>tsg
Subject : Re: N connectors (was Re: "Flexible" 9913 (Was - Re: Coaxial cab

In article <Anthony_Pelliccio-080294103950@138.16.64.8>,
Anthony_Pelliccio@brown.edu (Tony Pelliccio) writes:
> In article <2j6rtmINNf0s@abyss.West.Sun.COM>, myers@cypress.West.Sun.COM
> (Dana Myers) wrote:
>
> > >Actually, most equipment for dual-band use is sold with so-239 and pl-259
> > >connectors. The loss isn't that much so you'd actually notice it. You'll
> > >find N used in applications where every bit of loss counts like repeaters
> > >etc.
> >
> > N connectors also make an effort to be weather resistant where PL-259/SO-239
> > do not. Land mobile radios seem to use SO-239 up to UHF (512MHZ max), then
> > N connectors (800/900, etc.).
> >

|>
|> I had forgotten the weather resistance issue. But you're right in that most
|> land-mobile radios tend to use SO-239 instead of N. But buy a UHF repeater
|> and guess what, N connectors. By the way, I've finally met an N connector
|> that I like. It's for the 9913 and it's GREAT! You don't have to comb out
|> braid, you don't have to go nuts with 9 different parts, etc. This one is
|> two pieces, you strip the coax down a bit, screw it in, use a bit of solder
|> and you're in business.
|>
|>
|> Tony
|> --
|> == Anthony_Pelliccio@Brown.edu (Tony Pelliccio, KD1NR)
|> == Brown University Alumni & Development Computing Services
|> == Box 1908, Providence, RI 02912 Tel. (401) 863-1880
|> == I speak for myself, and not for Brown University. Remember that!

SO-239, PL-259 provide a loss of approximately .5dB per connection at 145Mhz and a poor 50 ohm connection. Time Domain Reflectometer measurements indicate over 2:1 VSWR (Impedance Bump!) at the connection.

Whereas N connector's have appr'x .042dB Insertion Loss and an excellent 50 ohm connection.

Basically use SO-239, PL-259 below 30Mhz. I still wish manufacturers would use N connectors on all gear. I find them mechanically and electrically better all around.

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End of Info-Hams Digest V94 #126

